AMENDMENTS

In the Claims

The following is a marked-up version of the claims with the language that is underlined ("___") being added and the language that contains strikethrough ("—") being deleted:

1. (Previously presented) A method for receiving signals based on a plurality of systems, the method comprising:

converting a first signal based on a first system to a first baseband signal;

converting a second signal based on a second system to a second baseband signal;

processing the first baseband signal using baseband components; and

processing the second baseband signal using the baseband components, wherein processing the first baseband signal and the second baseband signal comprises selectively filtering and selectively DC-offset correcting the first and second baseband signals, wherein selectively filtering and selectively DC-offset correcting comprises selecting different filtering bandwidths and different DC-offset correcting bandwidths based on which system baseband signal is to be processed.

2. (Original) The method of claim 1, wherein the first system and the second system each include at least one of the following systems code-division multiple access, personal-communication service, global-positioning satellite, digital-broadcast satellite, and global system for mobile communications.

3. (Original) The method of claim 1, wherein the processing further includes at least one of filtering, amplifying, providing digital-to-analog conversion, providing analog-to-digital conversion, and sampling, and correcting for direct current (DC) offset.

4. (Original) The method of claim 1, wherein the processing includes processing in at least one of a digital domain and an analog domain.

5. (Original) The method of claim 1, wherein the processing includes configuring at least one of the baseband components for a first frequency response characteristic for the first baseband signal and configuring the at least one of the baseband components for a second frequency response characteristic for the second baseband signal.

6. (Original) The method of claim 5, wherein the at least one of the baseband components include at least one of low-pass filters, finite-impulse response filters, and DC-offset correction elements.

7. (Original) The method of claim 1, wherein the baseband components include at least one of low-pass filters, all-pass filters, variable-gain amplifiers, analog-to-digital converters, digital-to-analog converters, finite-impulse response filters, smoothing filters, decimator filters, and DC-offset correction elements.

8. (Original) The method of claim 1, wherein the converting and processing are performed for a plurality of signals from a plurality of systems.

9. (Original) The method of claim 1, wherein the processing includes sampling at a first sampling rate for the first baseband signal and a second sampling rate for the second baseband signal.

10. (Original) The method of claim 9, wherein the sampling is performed by at least one of a decimator filter, a digital-to-analog converter, and an analog-to-digital converter.

11. (Previously presented) A multi-mode receiver system for processing signals based on a plurality of systems, comprising:

a baseband section configured to process a first baseband signal based on a first system using baseband components, wherein the baseband section is further configured to process a second baseband signal based on a second system using the baseband components, wherein the baseband components comprise bandwidth-switchable low-pass filters and bandwidth-switchable DC-offset correction elements.

12. (Original) The system of claim 11, further including a downconverter that is configured to convert a first signal to the first baseband signal and a second signal to the second baseband signal.

13. (Original) The system of claim 11, further including a first downconverter and a second downconverter, the first downconverter configured to convert a first signal to the first baseband signal, the second downconverter configured to convert a second signal to the second baseband signal.

14. (Original) The system of claim 11, wherein the first system and the second system each include at least one of the following systems code-division multiple access, personal-communication service, global-positioning satellite, digital-broadcast satellite, and global system for mobile communications.

15. (Previously presented) The system of claim 11, wherein the baseband components include at least one of the low-pass filters, all-pass filters, variable-gain amplifiers, analog-to-digital converters, digital-to-analog converters, finite-impulse response filters, smoothing filters, decimator filters, and the DC-offset correction elements.

16. (Original) The system of claim 11, wherein at least one of the baseband components are configured for a first frequency response characteristic for the first baseband signal and configured for a second frequency response characteristic for the second baseband signal.

17. (Previously presented) The system of claim 16, wherein the at least one of the baseband components include at least one of the low-pass filters, finite-impulse response filters, and the DC-offset correction elements.

18. (Original) The system of claim 11, wherein at least one of the baseband components is configured to sample at a first sampling rate for the first baseband signal and a second sampling rate for the second baseband signal.

19. (Original) The system of claim 18, wherein the at least one of the baseband components includes at least one of a decimator filter, a digital-to-analog converter, and an analog-to-digital converter.

20. (Original) The system of claim 11, wherein the baseband section is further configured to process a plurality of signals from a plurality of systems.

21. (Previously presented) A transceiver, comprising:

means for transmitting signals;

means for receiving signals, wherein the means for receiving includes pre-converting processing means;

means for converting a first signal based on a first system to a first baseband signal;

means for converting a second signal based on a second system to a second baseband signal; and

means for processing the first baseband signal, wherein the means for processing the first baseband signal is used for processing the second baseband signal, wherein the means for processing the first baseband signal comprises means for selectively filtering and means for selectively DC-offset correcting the first and second baseband signals, wherein the means for selectively filtering and the means for selectively DC-offset correcting comprises means for selecting different filtering bandwidths and means for selecting different DC-offset correcting bandwidths based on which system baseband signal is to be processed.

22. (Original) The transceiver of claim 21, wherein the first system and the second system each include at least one of the following systems code-division multiple access, personal-communication service, global-positioning satellite, digital-broadcast satellite, and global system for mobile communications.

23. (Previously presented) The transceiver of claim 21, wherein the means for processing includes at least one of the means for filtering, means for amplifying, means for providing digital-to-analog conversion, means for providing analog-to-digital conversion, means for sampling, and the means for correcting for direct current (DC) offset.

24. (Original) The transceiver of claim 21, wherein the means for processing includes means for processing in at least one of a digital domain and an analog domain.

25. (Original) The transceiver of claim 21, wherein the means for processing includes means for providing a first frequency response characteristic for the first baseband signal and a second frequency response characteristic for the second baseband signal.

26. (Original) The transceiver of claim 21, wherein the means for processing includes means for sampling at a first sampling rate for the first baseband signal and a second sampling rate for the second baseband signal.

27. (Original) The transceiver of claim 21, wherein the means for transmitting, means for receiving, means for converting, and means for processing are performed for a plurality of signals from a plurality of systems.

28. (Currently Amended) A multi-mode receiver system, comprising:

a code-division multiple access system having a common baseband system, wherein the common baseband system includes a direct current (DC)-correction element configured to include switchable bandwidths; and

a digital-broadcast system that shares the common baseband system with the code-division multiple access system.

29. (Currently Amended) The multi-mode receiver system of claim 28, wherein the common baseband system further includes at least one of a low-pass filter, an all-pass filter, ~~a direct current (DC)-correction element,~~ and a variable-gain amplifier.

30. (Currently Amended) The multi-mode receiver system of claim 29, wherein the low-pass filter ~~and the DC-correction element are~~ is configured to include switchable bandwidths.

31. (Currently Amended) The multi-mode receiver system of claim 28, wherein the common baseband system further includes at least one of a low-pass filter, an analog-to-digital converter, a decimator filter, a digital-to-analog converter, a smoothing filter, a finite-impulse response filter, ~~a direct current (DC)-correction element,~~ and a variable-gain amplifier.

32. (Original) The multi-mode receiver system of claim 31, wherein at least one of the analog-to-digital converter, the digital-to-analog converter, and the decimator filter is configured to have a first sampling rate for the code-division multiple access system and a second sampling rate for the digital-broadcast system.

33. (Original) The multi-mode receiver system of claim 31, wherein at least one of the finite-impulse response filter, the DC-correction element, and the decimator filter is configured to operate at a first frequency response for the code-division multiple access system and a second frequency response for the digital-broadcast system.